



Missouri Department of Natural Resources
Little Tarkio Creek - WBID 0248
Water Chemistry Data, 2005-2006

Org	Site	Site Name	Yr	Mo	Dy	Time	H	Flow	C	DO	pH	SC	NH3N	TRB	Cl
MoDNR	248/2.7	L. Tarkio Cr. @Hwy 159	2005	10	4	1725		17.7	27.1	8.1	8.4	406	0.01499	75	16
MoDNR	248/6.3	L. Tarkio Cr. @CR 212	2005	10	4	1305		18.4	25.9	8.3	8.2	394	0.01499	132	16
MoDNR	248/9.7	L. Tarkio Cr. @CR 180	2005	10	4	1020		17.8	22.1	7.6	8.1	387	0.01499	194	16
MoDNR	248/16.2	L. Tarkio Cr. @CR 120	2005	10	3	1545		19.4	22.6	7.8	7.9	366	0.01499	171	15
MoDNR	248/2.7	L. Tarkio Cr. @Hwy 159	2006	3	14	1100		15.6	4.9	13.9	8.1	431	0.01499	15	14
MoDNR	248/6.3	L. Tarkio Cr. @CR 212	2006	3	14	1300		15.5	9.9	13.5	8.1	408	0.01499	26	14
MoDNR	248/9.7	L. Tarkio Cr. @CR 180	2006	3	13	1555		16.6	9	15	8.1	403	0.01499	21.8	13
MoDNR	248/16.2	L. Tarkio Cr. @CR 120	2006	3	13	1355		14.1	8	14.7	7.9	398	0.01499	26.2	14

Little Tarkio Creek is on the 2002 Missouri 303(d) list with the pollutant listed as sediment.

Since DNR knows of no chemical, sediment or biological data that would support this listing, it was proposed that Little Tarkio Creek be removed from the 303(d) List in 2006. EPA approved a Total Maximum Daily Load for sediment on Little Tarkio Creek in 2006.

EPA has also approved Little Tarkio Creek's removal from the 2004/2006 303(d) List.

Missouri Department of Natural Resources, Water Protection Program, (573) 751-1300, www.dnr.mo.gov
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Aquatic Invertebrate Community Data, 2005-2006

Org	Site	Site Name	Date	Score
MoDNR	248/2.7	L. Tarkio Cr. @Hwy 159	Fall 2005	20
MoDNR	248/6.3	L. Tarkio Cr. @CR 212	Fall 2005	20
MoDNR	248/9.7	L. Tarkio Cr. @CR 180	Fall 2005	16
MoDNR	248/16.2	L. Tarkio Cr. @CR 120	Fall 2005	20
MoDNR	248/2.7	L. Tarkio Cr. @Hwy 159	Spring 2006	16
MoDNR	248/6.3	L. Tarkio Cr. @CR 212	Spring 2006	18
MoDNR	248/9.7	L. Tarkio Cr. @CR 180	Spring 2006	20
MoDNR	248/16.2	L. Tarkio Cr. @CR 120	Spring 2006	18

The Missouri Department of Natural Resources collected and analyzed aquatic invertebrate samples. Staff followed the department's Environmental Services Program's written standard operating methods contained in "Semi-Quantitative Macroinvertebrate Stream Bioassessment" by R. Sarver, 2003. Invertebrate communities are judged to be impaired if the percent of sampling sites receiving a score of 16 or more is significantly less than for reference streams in the same ecological drainage unit. Scores of 16 or more are considered to reflect unimpaired macroinvertebrate communities.

Reference streams in this ecological drainage unit score 16 or higher on 70.0 percent of all samples. For Little Tarkio Creek, eight of eight samples, or 100 percent, received a score of 16 or higher. This is not considered to be a significantly lower percentage than reference streams in this ecological drainage unit. Little Tarkio Creek is judged to be **unimpaired** based on this data.

Little Tarkio Creek is on the 2002 Missouri 303(d) List with the pollutant listed as sediment. Since the department knows of no chemical, sediment or biological data that would support this listing, it was proposed that Little Tarkio Creek be removed from the 303(d) List in 2006. The Environmental Protection Agency has also approved Little Tarkio Creek's removal from the 2004/2006 303(d) List.

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